

**WEST****Generate Collection****Search Results - Record(s) 1 through 6 of 6 returned.**☐ 1. Document ID: WO 9626081 A1, EP 810930 A1, FR 2730958 A1

L3: Entry 1 of 6

File: DWPI

Aug 29, 1996

DERWENT-ACC-NO: 1996-402229

DERWENT-WEEK: 199640

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TITLE: Sunroof with independently movable front and rear panels - comprises panels, front panel having rear portion hinged on transverse pin and front portion sliding in guide channel, rear panel having front portion movable in guide channel and rear portion hinged on transverse pin

INVENTOR: METROZ, T; OKAL, A

PRIORITY-DATA: 1995FR-0002189 (February 24, 1995)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9626081 A1	August 29, 1996	F	021	B60J007/047
EP 810930 A1	December 10, 1997	F	000	B60J007/047
FR 2730958 A1	August 30, 1996		000	B60J007/04

INT-CL (IPC): B60J 7/04; B60J 7/047

ABSTRACTED-PUB-NO: WO 9626081A

## BASIC-ABSTRACT:

The sunroof comprises, in the longitudinal direction, a front (10) and a rear closing panel (20) for an opening in a surface of the motor vehicle roof. These two panels are independently adjustable between forward and rearward end travel positions. The front panel has a rear portion (14) hinged on a transverse connecting pin (40) supported by one end (11a) of a control bar (11).

The front portion (13) of the front panel can slide longitudinally in a guide channel (12). The rear panel has a front portion (25) which can move in a longitudinal guide channel (16) supported by the other end (11b) of the control bar. The rear portion (26) of the rear panel is hinged on a transverse connecting pin (60) supported by one end of a control rod (17a).

ADVANTAGE - The sunroof can be totally opened or partially opened at the front or rear, the panels when closed continuing the vehicle contour.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Clip Img	Image
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☐ 2. Document ID: DE 4008145 A, DE 4008145 C, DE 59100391 G, EP 447781 A, EP 447781 B1

L3: Entry 2 of 6

File: DWPI

Sep 19, 1991

DERWENT-ACC-NO: 1991-282303  
DERWENT-WEEK: 199139  
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TITLE: Twin-cover sliding lifting vehicle roof - has adjustment mechanism to lower leading edge of rear cover once leading cover is raised

INVENTOR: CLAUSENSCH, A; CLAUSEN-SCHAUMANN, A

PRIORITY-DATA: 1990DE-4008145 (March 14, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4008145 A	September 19, 1991		000	
DE 4008145 C	December 19, 1991		000	
DE 59100391 G	October 28, 1993		000	B60J007/047
EP 447781 A	September 25, 1991		000	
EP 447781 B1	September 22, 1993	G	017	B60J007/047

INT-CL (IPC): B60J 7/04; B60J 7/047

ABSTRACTED-PUB-NO: DE 4008145A  
BASIC-ABSTRACT:

The sliding lifting roof in the closed position has two covers lying one behind the other so that the first cover can be raised at its rear end for ventilation purposes.

On raising the leading cover (1) to the venting position, an adjustment mechanism lowers the leading edge (9) of the rear cover (2).

ADVANTAGE - Method of using a sliding lifting roof as a means of ventilation without creating noise or draughts within the vehicle.  
ABSTRACTED-PUB-NO:

DE 4008145C EQUIVALENT-ABSTRACTS:

The sliding lifting roof in the closed position has two covers lying one behind the other so that the first cover can be raised at its rear end for ventilation purposes.

On raising the leading cover (1) to the venting position, an adjustment mechanism lowers the leading edge (9) of the rear cover (2).

ADVANTAGE - Method of using a sliding lifting roof as a means of ventilation without creating noise or draughts within the vehicle.

EP 447781B

A sliding and lifting roof for vehicles, the roof comprising two panels (1,2) which, in the closed position for closing a roof opening, are disposed one behind the other and approximately flush with the roof contour (3) and, when the front panel (1) is in the closed position, its rear edge (5) is extendable upwards into a ventilating position, characterised in that, when the front panel (1) is extended into the ventilating position, or at the beginning of a longitudinal movement of a panel out of the ventilating position of the front panel (1), an adjusting device lowers the front edge (9) of the rear panel (2).

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Clip Img	Image
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3. Document ID: NO 306647 B1, US 5031997 A, EP 450795 A, NO 9101091 A, CA 2037650 A, JP 04251199 A, AU 9175039 A, EP 450795 A3, AU 641997 B, AU 9344373 A, IT 1244950 B, AU 657058 B, IL 97418 A, CA 2037650 C, EP 450795 B1, DE 69127921 E, ES 2108031 T3, KR 9510698 B1

L3: Entry 3 of 6

File: DWPI

Nov 29, 1999

DERWENT-ACC-NO: 1991-229968

DERWENT-WEEK: 200003

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TITLE: Fibre=optic payout system for missile - with leader extending from aft end, releasably secured within rail by flexible strip

INVENTOR: PETERSON, S P D; REDFORD, G R ; SCHOTTER, D K

PRIORITY-DATA: 1990US-0500449 (March 28, 1990), 1991AU-0075039 (April 16, 1991)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
NO 306647 B1	November 29, 1999		000	F41G007/32
US 5031997 A	July 16, 1991		009	
EP 450795 A	October 9, 1991		000	
NO 9101091 A	September 30, 1991		000	
CA 2037650 A	September 29, 1991		000	
JP 04251199 A	September 7, 1992		006	F41F003/00
AU 9175039 A	February 4, 1993		000	F42B015/04
EP 450795 A3	May 20, 1992		009	
AU 641997 B	October 7, 1993		000	F42B015/04
AU 9344373 A	October 14, 1993		000	F42B015/04
IT 1244950 B	September 13, 1994		000	F41G000/00
AU 657058 B	February 23, 1995		000	F42B015/04
IL 97418 A	May 26, 1995		000	F42B015/04
CA 2037650 C	July 9, 1996		000	F42B015/04
EP 450795 B1	October 15, 1997	E	011	F41G007/32
DE 69127921 E	November 20, 1997		000	F41G007/32
ES 2108031 T3	December 16, 1997		000	F41G007/32
KR 9510698 B1	September 21, 1995		000	F41G007/32

2108031 T3 INT-CL (IPC): B65H 57/18; F41F 3/00; F41G 0/00; F41G 7/32; F42B 15/00; F42B 15/04; G02B 6/00; G02B 6/44

ABSTRACTED-PUB-NO: EP 450795B

## BASIC-ABSTRACT:

A protective sheath surrounds a length of the fibre, the sheath comprising a flexible tubular member constructed of a heat resistant material within which the fibre is received. A first number of reinforcing wires is provided within a first portion of the length of the sheath closet to the wound stack. A second number of reinforcing wires is within a second portion of the length of the sheath, the second number being greater than the first number.

A third number of reinforcing wires is within a third portion of the length of the sheath, the third number being greater than the second number. The second portion is located between the first and third portions. The protective sheath and included fibre are releasably secured onto an outer surface of the missile.

USE - For paying out an optical fibre missile data link from a wound stack aboard the missile through the propulsion gases.

ABSTRACTED-PUB-NO:

## US 5031997A EQUIVALENT-ABSTRACTS:

An apparatus to pay out an optical fiber (18) from a missile (10) hot-launched from a tube (12), said system comprising: a wound pack of the optical fiber mounted within the missile (10); an end length of the optical fiber (18) extending from the missile aft end (16); a protective sheath means received onto the end length of the optical fiber (18) to form a protected optical fiber leader (20); and releasable securing means to releasably secure the optical fiber leader (20) onto an outer surface of the missile (10), said optical fiber leader (20) being releasable from the said securing means on missile launch, characterised in that said sheath means includes: a first section (30) with one reinforcing wire (24), a second section (28) with two reinforcing wires (24), and the releasable securing means includes an elongated open container (32) secured to the missile outer surface and extending generally parallel to the missile longitudinal axis, and an elongated tearable strip (46) having its two lateral edge portions overlapping each other to enclose the optical fiber (20), the overlapped strip edge portions being secured to the retainer (32), said tearable strip (46) being torn loose by the optical fiber leader (20) on missile launch to release the leader (2) from the securing means.

Full	Title	Citation	Front	Review	Classification	Date	Reference
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☐ 4. Document ID: EP 381263 A, EP 381263 B1, NL 8900251 A, US 5040845 A

L3: Entry 4 of 6

File: DWPI

Aug 8, 1990

DERWENT-ACC-NO: 1990-240647

DERWENT-WEEK: 199032

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TITLE: Sliding panel roof for vehicle - has panel slidably mounted in longitudinal guides to allow both forward and rearward opening of panel

INVENTOR: HUYER, J N

PRIORITY-DATA: 1989NL-0000251 (February 1, 1989)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 381263 A	August 8, 1990		000	
EP 381263 B1	August 11, 1993	E	015	B60J007/053
NL 8900251 A	September 3, 1990		000	
US 5040845 A	August 20, 1991		000	

INT-CL (IPC): B60J 7/02; B60J 7/05; B60J 7/053; B60J 7/22; B60J 10/12

ABSTRACTED-PUB-NO: EP 381263A

## BASIC-ABSTRACT:

The fixed roof (1) of a vehicle has an opening (2) with two longitudinal guides (4) extending along each longitudinal edge. The guides are supported by a stationary frame (5) attached under the fixed roof, and a sliding panel (3) runs in the guides.

When the panel is closed position, it closes and seals the opening. From this position it may be slide rearwardly under the fixed roof to wholly or partially open the roof opening. The panel can also be slid forwardly from its closed position, and thus create an opening behind its rear edge.

ADVANTAGE - Needs only a small built in height.

ABSTRACTED-PUB-NO:

EP 381263B EQUIVALENT-ABSTRACTS:

Sliding roof for a vehicle of which the fixed roof (1) is provided with a roof opening (2), comprising a longitudinal guide (4) near both longitudinal edges of the roof opening (2), and a panel (3) being slidably guided in the longitudinal guides (4) such that the panel (3) is adapted to be slid from a closed position in which it closes the roof opening (2) to an open position to at least partially open the roof opening (2), characterised in that the panel (2) is adapted to be moved from the closed position both rearwardly and forwardly with respect to the fixed roof.

US 5040845A

The sliding roof for a vehicle of which the fixed roof is provided with a roof opening comprises a longitudinal guide near both longitudinal edges of the roof opening. A panel is slidably guided in the longitudinal guides such that the panel is adapted to be slid from a closed position in which it closes the roof opening both rearwardly under the fixed roof to open the roof opening. USE - For a passenger car.

(11pp)

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Clip Img	Image
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☐ 5. Document ID: EP 306647 A, AU 8821945 A, BR 8804017 A, DE 3730112 A, DE 3730112 C, DE 3881133 G, EP 306647 B1, US 4911496 A

L3: Entry 5 of 6

File: DWPI

Mar 15, 1989

DERWENT-ACC-NO: 1989-078195

DERWENT-WEEK: 198911

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TITLE: Two-part car sliding roof - has rear part which can be swung downwards to form ventilation gap

INVENTOR: FUERST, A; FURST, A

PRIORITY-DATA: 1987DE-3730112 (September 8, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 306647 A	March 15, 1989	G	012	
AU 8821945 A	March 9, 1989		000	
BR 8804017 A	March 21, 1989		000	
DE 3730112 A	March 23, 1989		000	
DE 3730112 C	July 25, 1991		000	
DE 3881133 G	June 24, 1993		000	B60J007/047
EP 306647 B1	May 19, 1993	G	015	B60J007/047
US 4911496 A	March 27, 1990		000	

INT-CL (IPC): B60J 7/04; B60J 7/047

ABSTRACTED-PUB-NO: EP 306647A

BASIC-ABSTRACT:

The car sliding roof is fitted into an opening in the fixed roof. The sliding roof is made in two parts i.e a front (13) and a rear part (14). When closed, the two parts lie in the same plane, with a sealing strip between their abutting edges.

The front edge of the rear part can be swung downwards so that a ventilation gap is formed between it and the rear edge (76) of the front part. The roof can then

be opened by sliding the front part along its guide rails over the rear part which depresses the rear end of the rear part so that the front part in its retracted position lies flush with the fixed roof.

USE - Sliding roof for motor vehicles.  
ABSTRACTED-PUB-NO:

EP 306647B EQUIVALENT-ABSTRACTS:

The car sliding roof is fitted into an opening in the fixed roof.

The sliding roof is made in two parts i.e a front (13) and a rear part (14). When closed, the two parts lie in the same plane, with a sealing strip between their abutting edges.

The front edge of the rear part can be swung downwards so that a ventilation gap is formed between it and the rear edge (76) of the front part. The roof can then be opened by sliding the front part along its guide rails over the rear part which depresses the rear end of the rear part so that the front part in its retracted position lies flush with the fixed roof.

USE - Sliding roof for motor vehicles.

US 4911496A

The vehicle roof has a front cover and a rear cover adjoining each other in the longitudinal direction of the vehicle which, in a closed position, close a roof aperture in a fixed roof surface.

Due to the effects of pure translational movement, the front cover is rearwardly displaceable into an open position, while the rear cover can be moved into a position permitting a sliding back of the front cover there-over. The rear cover can be pivoted around an axis near its rear edge into a venting position, in which the front edge of the rear cover is lowered, relative to the rear edge of the front cover.

ADVANTAGE - Reduced vehicle drag. (10pp \_\_X)c

DE 3730112C

The vehicle sunroof has front and rear covers (13, 14), arranged one behind the other when sealing a roof aperture (12). The front cover (13) is able to slide rearwards to open the front of the roof aperture, the whole rear cover (14) being lowered to allow the front cover to slide over it.

The rear cover can also be lowered at its front edge to a ventilation position by pivoting about an axis (36) at its rear edge.

USE/ADVANTAGE - Vehicle sunroof giving low air resistance in the ventilation position. (11pp)

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 6. Document ID: NL 6903107 A, BE 729078 A, CA 896471 A, DE 1909315 A, GB 1191097 A, JP 72021760 B, SU 306647 A

L3: Entry 6 of 6

File: DWPI

DERWENT-ACC-NO: 1968-33793Q  
DERWENT-WEEK: 196800  
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TITLE: Increasing the light sensitivity of a photoconductive

PRIORITY-DATA: 1968US-0708805 (February 28, 1968)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
NL 6903107 A			000	
BE 729078 A			000	
CA 896471 A			000	
DE 1909315 A			000	
GB 1191097 A	May 6, 1970		000	
JP 72021760 B			000	
SU 306647 A			000	

ABSTRACTED-PUB-NO: NL 6903107A

BASIC-ABSTRACT:

Method for increasing the light sensitivity of a photoconductive layer, which contains a dyestuff (I), and a hydrophobic polymer material in a heterogenous, two phase state, this having a wavelength for max. absorption differing from that of the dyestuff (I), and the polymer material in a homogeneous state, comprises placing a soln. of a dyestuff (II) as a coating on the photoconductive layer, and drying the coating.

The treatment increases the light sensitivity of the photoconductive layer based on a heterogeneous mixt. of dyestuff and hydrophobic polymer. The polymer may be a polycarbonate, polythiocarbonate, polyvinyl ether, polydiarylalkane, polyester, polyalkene or phenolic resin.

Full	Title	Citation	Front	Review	Classification	Date	Reference
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Terms	Documents
306647	6

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50

Documents, starting with Document:

6

Display Format:

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**WEST****Generate Collection****Search Results - Record(s) 1 through 6 of 6 returned.**

☐ 1. Document ID: DE 4008145 A, DE 4008145 C, DE 59100391 G, EP 447781 A, EP 447781 B1

L1: Entry 1 of 6

File: DWPI

Sep 19, 1991

DERWENT-ACC-NO: 1991-282303

DERWENT-WEEK: 199139

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TITLE: Twin-cover sliding lifting vehicle roof - has adjustment mechanism to lower leading edge of rear cover once leading cover is raised

INVENTOR: CLAUSENSCH, A; CLAUSEN-SCHAUMANN, A

PRIORITY-DATA: 1990DE-4008145 (March 14, 1990)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4008145 A	September 19, 1991		000	
DE 4008145 C	December 19, 1991		000	
DE 59100391 G	October 28, 1993		000	B60J007/047
EP 447781 A	September 25, 1991		000	
EP 447781 B1	September 22, 1993	G	017	B60J007/047

INT-CL (IPC): B60J 7/04; B60J 7/047

ABSTRACTED-PUB-NO: DE 4008145A

## BASIC-ABSTRACT:

The sliding lifting roof in the closed position has two covers lying one behind the other so that the first cover can be raised at its rear end for ventilation purposes.

On raising the leading cover (1) to the venting position, an adjustment mechanism lowers the leading edge (9) of the rear cover (2).

ADVANTAGE - Method of using a sliding lifting roof as a means of ventilation without creating noise or draughts within the vehicle.

## ABSTRACTED-PUB-NO:

DE 4008145C EQUIVALENT-ABSTRACTS:

The sliding lifting roof in the closed position has two covers lying one behind the other so that the first cover can be raised at its rear end for ventilation purposes.

On raising the leading cover (1) to the venting position, an adjustment mechanism lowers the leading edge (9) of the rear cover (2).

ADVANTAGE - Method of using a sliding lifting roof as a means of ventilation without creating noise or draughts within the vehicle.

EP 447781B

A sliding and lifting roof for vehicles, the roof comprising two panels (1,2) which, in the closed position for closing a roof opening, are disposed one behind



which, in the closed position for closing a roof opening, are disposed one behind the other and approximately flush with the roof contour (3) and, when the front panel (1) is in the closed position, its rear edge (5) is extendable upwards into a ventilating position, characterised in that, when the front panel (1) is extended into the ventilating position, or at the beginning of a longitudinal movement of a panel out of the ventilating position of the front panel (1), an adjusting device lowers the front edge (9) of the rear panel (2).

Full	Title	Citation	Front	Review	Classification	Date	Reference
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☐ 2. Document ID: DE 3801881 A, DE 3801881 C

L1: Entry 2 of 6

File: DWPI

Aug 4, 1988

DERWENT-ACC-NO: 1988-221168

DERWENT-WEEK: 198832

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TITLE: Car spoiler sun roof adjuster - has lifter for front and rear guides for vertical sun roof edges, providing smaller front and larger rear edge motions

PRIORITY-DATA: 1987JP-0008103 (January 22, 1987)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE <u>3801881</u> A	August 4, 1988		008	
DE <u>3801881</u> C	January 24, 1991		000	

INT-CL (IPC): B60J 7/04

ABSTRACTED-PUB-NO: DE 3801881A

## BASIC-ABSTRACT:

The adjusting mechanism is for an automotive sun roof, particularly of the spoiler type, having two extension devices on opposite sides of the cover, together with guide rails for slides, there being a lifting mechanism between each slide and its extension device for the cover as the slide is moved rearwards. This mechanism has front and rear guides, lifting and lowering the front part of the cover for a smaller and the rear part for a larger amount.

A locking member sliding along the guide rail has a lug engaging with a stop on the rail. As the slide is moved rearwards after extension of the cover, an actuating mechanism frees the locking member from the stop. There is a guide member between the locking member and the front part of the extension device and behind the forward end of the cover, limiting lengthwise movement of the extension device during lifting and lowering.

ADVANTAGE - Simple to install, and brings forward end of roof opening nearer to that of fixed roof.

ABSTRACTED-PUB-NO:

DE 3801881C EQUIVALENT-ABSTRACTS:

The sunroof adjuster, spec. spoiler roof, has two extenders both sides of the roof cover plus rails both sides for a slide each side with a lifter between each slide and extender to extend the cover outward each time the slide runs back. The lifter (17F) should have front and rear slotted link guides (18A,B) to lift and lower the front part of the cover (6F) a small amount and also a large amount at the rear. A rail (7) guided arrester locking catch (24) engages an abutment provided on the rail and is disengaged from this by an actuator working with the slide and the catch when the slide is run back and the cover extended. A guide behind the leading end of the cover between arrester and the front of the cover extender limits the up and down movement of the extender during its lengthways movement.

USE/ADVANTAGE - Motor vehicles. Cover raised slightly as front during extending

USE/ADVANTAGE - Motor vehicles. Cover raised slightly as front during extending movement to relieve front seal in simple design.

(8pp)

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 3. Document ID: EP 260969 A, JP 63076444 A, US 4855869 A

L1: Entry 3 of 6

File: DWPI

Mar 23, 1988

DERWENT-ACC-NO: 1988-079269

DERWENT-WEEK: 198812

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TITLE: Integrated circuit chip carrier - has two metal frames secured by seam-welding about chip

INVENTOR: TSUJI, M

PRIORITY-DATA: 1986JP-0219414 (September 19, 1986)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 260969 A	March 23, 1988	E	005	
JP 63076444 A	April 6, 1988		000	
US 4855869 A	August 8, 1989		004	

INT-CL (IPC): H01L 21/60; H01L 23/48; H05K 7/20

ABSTRACTED-PUB-NO: EP 260969A

BASIC-ABSTRACT:

The first metal frame (5) is silver-soldered (6) to the upper surface of the substrate (1) so as to surround the chip (9). The second metal frame (13) is secured by silver-solder (12) to the lower peripheral surface of a plate (11) of beryllium copper. The plate forms a cap (14) over the chip. Leads (10) of the chip are connected to pads (2) on the substrate upper face by thermo compression bonding. Conductive wiring (4) connects the pads with further pads (3) on the substrate lower face.

In an alternative embodiment, a silicone spacer (7) is provided between the chip and substrate, to provide a more secure fixing of the chip and the capping plate.

ADVANTAGE - Reliable sealing of carrier to substrate and cap are achieved and dimensional precision requirements are less stringent than previously.

ABSTRACTED-PUB-NO:

US 4855869A EQUIVALENT-ABSTRACTS:

The chip carrier includes a substrate with pads formed on the upper and lower surfaces and wirings to connect the pads.

The chip carrier also includes an integrated circuit chip having leads connected to corresponding ones of the pads. A metal frame is soldered to the upper surface of the substrate so as to surround the integrated circuit chip. The chip carrier also includes a second metal frame which is seam-welded to the upper end of the first metal frame so as to surround the integrated circuit chip and a plate is soldered to the upper end of the second metal frame so as to cover the integrated circuit chip.

(4pp)

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Clip Img	Image
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☐ 4. Document ID: SU 1203582 A

L1: Entry 4 of 6

File: DWPI

Jan 7, 1986

DERWENT-ACC-NO: 1986-211351

DERWENT-WEEK: 198632

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TITLE: Information disc coating - includes epoxy! bisphenol-A iron oxide, epoxide lacquer and resin, phenol!-and melamine, formaldehyde! oligomer(s)

INVENTOR: GERASKOV, V P; KUZNETSOV, V F ; SHALANGOVS, T M

PRIORITY-DATA: 1984SU-3801881 (August 6, 1984)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 1203582 A	January 7, 1986		004	

INT-CL (IPC): C09D 5/23; G11B 5/68

ABSTRACTED-PUB-NO: SU 1203582A

BASIC-ABSTRACT:

In the field of magnetic recording, the disc carrier is coated with a resin layer. The magnetic properties of the carrier are improved and surface roughness is reduced by the use of the following mixt. (wt. per cent): epoxy-bisphenol-A oligomer MW 2000-3500 (I) 5.95-12.65, needle shape gamma Fe oxide 18.65-20.65, epoxide lacquer block oligomer MW 600-1200 (II) 7.5-9.0 per cent epoxide gps. 1.00-8.25, epoxide resin MW 5000-10000, 0.5-1.0 per cent epoxide gps. (III) 1.00-4.00, phenolformaldehyde oligomer (IV) 2.00-3.65, melamine formaldehyde oligomer (V) 1.35-1.50, Al<sub>2</sub>O<sub>3</sub> 0.30-1.00, polymethyl siloxane (VI) 0.004-0.00041, H<sub>3</sub>PO<sub>4</sub> hardener 0.06-0.08, remainder - solvent.

The mix is ball-milled until the desired viscosity is attained. The disc is de-dusted at 1600 rev/min. and the mixed resin soln. is applied at 1-50 rev/min. After drying at 300-1000 rev/min., the coating is hardened for 1 hr. at 200 deg. C. The magnetic characteristics of the iron oxide are fully listed, as well as the properties of the individual resins. The gamma Al<sub>2</sub>O<sub>3</sub> employed is 0.3 microns in size. The polymethylsiloxane used boils at 250 deg. C, 1-3 mmHg.

ADVANTAGE - In comparison with present disc coatings, the patented coating is better: required recording density 270-300 bit/mm (against 205-270), surface roughness before polishing 0.10 microns (against 0.15); after polishing 0.017 (against 0.025 microns). Bul.1/7.1.86

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 5. Document ID: EP 23400 A, DE 3067129 G, EP 23400 B

L1: Entry 5 of 6

File: DWPI

Feb 4, 1981

DERWENT-ACC-NO: 1981-B2715D  
DERWENT-WEEK: 198107  
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TITLE: Leadless packaged semiconductor device - comprises ceramic substrates with through holes filled with conductive paste, and laminated together

INVENTOR: HAYASHI, K; HONDA, N

PRIORITY-DATA: 1979JP-0095327 (July 11, 1979)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 23400 A	February 4, 1981	E	000	
DE 3067129 G	April 26, 1984		000	
EP 23400 B	March 21, 1984	E	000	

INT-CL (IPC): H01L 23/02

ABSTRACTED-PUB-NO: EP 23400A

BASIC-ABSTRACT:

The leadless package for a semiconductor device is formed by bonding together four ceramic substrates (5,5', 5'', 5''') into a laminar structure. A conductive path is formed to run through the substrates up and down by means of conductive parts (16) of through holes formed in the substrates. Connecting pads (13) make connection with the parts (16) and a conductive layer (9) printed on a substrate.

The lowermost substrate (5''') is provided at one edge with a notch instead of a through hole. One end portion of a conductive layer (10) formed on the internal surface of the notch connects to a connecting pad (13) and the other end connects to a terminal or solder pad (3). When the solder pads (3) are soldered to a printed circuit (20) on a mother board (19), solder (21) adheres to the surface of the conductive layer (10) and rises upwards..

There is no danger of a break occurring in the conductive path between the substrates. In addition a solder joint made between the package and a mother board can be confirmed visually. So product yield and the reliability of the semiconductor package are enhanced.

ABSTRACTED-PUB-NO:

EP 23400B EQUIVALENT-ABSTRACTS:

The leadless package for a semiconductor device is formed by bonding together four ceramic substrates (5,5', 5'', 5''') into a laminar structure. A conductive path is formed to run through the substrates up and down by means of conductive parts (16) of through holes formed in the substrates. Connecting pads (13) make connection with the parts (16) and a conductive layer (9) printed on a substrate.

The lowermost substrate (5''') is provided at one edge with a notch instead of a through hole. One end portion of a conductive layer (10) formed on the internal surface of the notch connects to a connecting pad (13) and the other end connects to a terminal or solder pad (3). When the solder pads (3) are soldered to a printed circuit (20) on a mother board (19), solder (21) adheres to the surface of the conductive layer (10) and rises upwards..

There is no danger of a break occurring in the conductive path between the substrates. In addition a solder joint made between the package and a mother board can be confirmed visually. So product yield and the reliability of the semiconductor package are enhanced.

Full	Title	Citation	Front	Review	Classification	Date	Reference
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☐ 6. Document ID: US 3801881 A

L1: Entry 6 of 6

File: DWPI

Apr 2, 1974

DERWENT-ACC-NO: 1974-B2804V

DERWENT-WEEK: 197415

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TITLE: Packaged UHF semiconductor device - including housing of rectangular parallelepiped form with ceramic rectangular base member for reduced electrostatic capacity

PRIORITY-DATA: 1972US-0299855 (October 24, 1972)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US <u>3801881</u> A	April 2, 1974		000	

INT-CL (IPC): H01L 3/00; H01L 5/00

Full	Title	Citation	Front	Review	Classification	Date	Reference
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3801881	6

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